Global Pump’s High Performance Trash pumps are specifically designed to effectively handle a wide-range of liquids from water to sewage and sludge that can contain solids and other material.

Global Pump High Performance Trash pumps provide a dependable, highly efficient solution. The model 8GHT is capable of achieving maximum flows of 4,550 gpm (1,033 m³/h) and maximum total head of 261’ (79.6 m) while handling solids up to 4” (101.6 mm) in diameter.

The standard 8GHT is powered by a water-cooled, 6-cylinder diesel engine. Alternative drives are available, including other diesel engines or electric motor options.

### FEATURES

- Global Pump’s rugged, heavy duty pumps are engineered specifically for portable application.
- Non-return valve uses only a single moving part to allow full flow with minimal restriction.
- Standard engine control panel provides preset emergency shutdown protection and allows the addition of automatic level control.
- Fully guarded coupling.
- Pump casings are hydrostatically tested to 50 psig (345 kPa) above the peak casing design pressure.
- Highway trailer with integral fuel cell/chassis, lights, fenders, tie downs, lifting bail, front and rear jacks. Trailer brakes can be offered as required.

### OPTIONS

- Available with a variety of priming systems, including Global’s Auto Prime® automatic priming system (compressor-fed venturi priming) or a diaphragm priming system.
- Mechanical seal with glycol (biodegradable optional) quench allows the pump to start and run dry.
- Global Pump’s Environmental Box separates and silences air exhaust and returns liquid to the pump suction.
- Fuel cubes for extended run times and/or remote location as required.
- Sound attenuated enclosure options.
- Skid-mounted formats with tie downs, lifting bail, and fork pockets.
- Hose racks, accessory containers and other custom features available as required.
- Wide range of suction and discharge fittings including Global Pump’s own “QD” Quick Disconnect fittings and accessories.
### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connections</td>
<td>8” (200 mm) ANSI Flanges</td>
</tr>
<tr>
<td>Max Pump Speed</td>
<td>2,000 rpm</td>
</tr>
<tr>
<td>Max Flow</td>
<td>4,550 gpm (1,033 m³/h)</td>
</tr>
<tr>
<td>Max Head</td>
<td>261’ (79.6 m)</td>
</tr>
<tr>
<td>Max Static Priming Lift</td>
<td>28’ (8.5 m)</td>
</tr>
<tr>
<td>Temperature Limit</td>
<td>160° F (70° C)</td>
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<tr>
<td>Solids Handling Capability</td>
<td>4” (101.6 mm)</td>
</tr>
<tr>
<td>Max Casing Pressure</td>
<td>125 psig (862 kPa)</td>
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<tr>
<td>Fuel Cell</td>
<td>150 gallons (565 liters)</td>
</tr>
<tr>
<td>Dry Weight</td>
<td>6,300 lbs</td>
</tr>
</tbody>
</table>

### PUMP MATERIAL

- **Casing**: Cast Iron (CD4MCu is an option)
- **Impeller**: Cast Iron (CD4MCu is an option)
- **Bearing Housing**: Cast Iron
- **Bearing Lubrication**: Grease
- **Shaft/Shaft Sleeve**: Steel/FNC Treated Steel
- **Seal**: Silicon Carbide on Silicon carbide
- **Chassis/Fuel Cell**: Steel
- **Non-Return Valve**: Nitrile Fitted Cast Iron